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MAY 19 1969

CURRENT SERIAL RECORDS

# **WATER SUPPLY OUTLOOK FOR UTAH**

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,

and

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation,  
Utah Fish and Game Dept., Utah State University, U.S. National  
Park Service, U.S. Geological Survey; and other Federal, State,  
and private organizations.

AS OF  
MAY 1, 1969

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80521
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

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# PROSPECTIVE WATER SUPPLIES

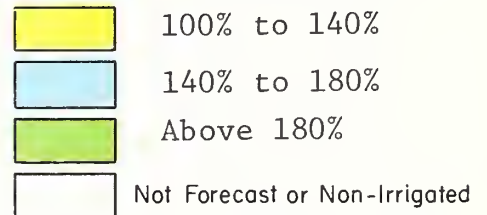
Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

May 1, 1969

Approximate Date



FORECAST STREAM FLOW  
in Percent of 1953-67, 15 Year Average



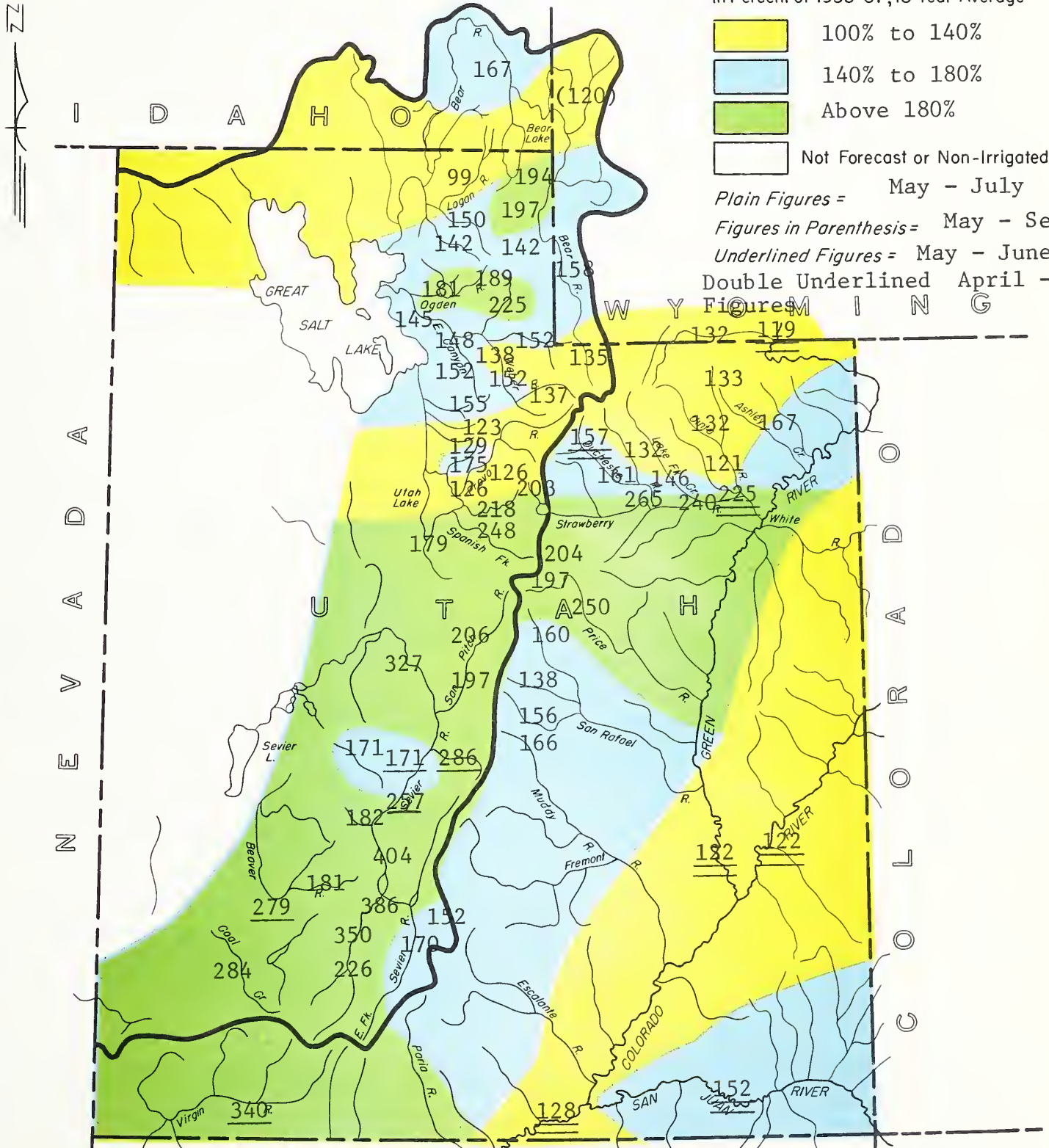
Plain Figures = May - July

Figures in Parenthesis = May - Sept.

Underlined Figures = May - June

Double Underlined April - July

Figures in Circles = May - Sept.



Flaming Gorge Inflow = 119%  
Navajo Reservoir Inflow = 152%  
Lake Powell Inflow = 128%  
April - July





# WATER SUPPLY OUTLOOK

MAY 6, 1969

\* \* \* \* \*  
\* Utah's 1969 irrigation season is underway with "near \*  
\* average" to "excellent" water supplies in prospect for \*  
\* all areas of the State. Snow cover was reduced by a \*  
\* warm, dry April but still ranges from about 74% of av- \*  
\* erage on the Logan River to 472% of average on the \*  
\* Virgin River. Reservoir storage is 146% of average \*  
\* for May 1 and 74% of total useable capacity. Stream- \*  
\* flow forecasts vary from near average to about 4 times \*  
\* average. \*  
\* \* \* \* \*

## NORTHERN UTAH

Northern Utah's water supplies are still expected to be near average to excellent this summer. Above normal melt occurred on most snow courses during April and snow cover remains only above 7000 feet with south slopes bare above that elevation.

May 1 snow measurements indicate a wide variation in the remaining snow cover - from 74% on the Logan River to 215% of average on the American Fork River. Ogden River snow cover is 159% of the May 1 average for the 1953-67 period while the upper Weber is 117%. The Wasatch front near Salt Lake is 118% and the upper Provo 120%, American Fork watershed has 215% of average May 1 snow cover.

Reservoir storage is well above average except reservoirs holding space for heavy flows yet to come. Hyrum Reservoir now holds 11,050 acre feet and Porcupine is full and spilling. Causey and Pineview held 3400 and 86,680 acre feet on May 1. East Canyon held 43,200 acre feet, Echo 42,900 acre feet, Lost Creek 16,780, and Rockport 37,030 acre feet. Deer Creek Reservoir held 114,100 acre feet on May 1. Utah Lake is above Compromise and now holds 922,200 a.f.

Streamflow forecasts for the May-July period range from 99% (85,000 acre feet) on the Logan River to 248% (52,000 acre feet) on the Spanish Fork. The mean daily peak on Spanish Fork is expected to fall between 545 - 1030 cfs.

The Bear River is forecast to flow 135,000 acre feet (135%) at the Utah-Wyoming Line and 260,000 acre feet (167%) at Harer, Idaho. Blacksmith Fork and Little Bear Rivers are expected to flow 150% and 142% of average respectively.

The South Fork of the Ogden is forecast to flow 66,000 acre feet (189%) and Pineview Reservoir inflow is expected to be 114,000 acre feet (181%) during the May-July period. The mean daily peak flow is expected to be between 1000 - 1500 cfs on the South Fork of the Ogden.

## WATER SUPPLY OUTLOOK (continued)

The Weber near Oakley is forecast to flow 137,000 acre feet (137%) and Rockport Reservoir Inflow 149,000 acre feet (152%). East Canyon Creek is expected to produce 17,500 acre feet (148%) and Chalk Creek 35,000 acre feet (152%) during the May-July period.

Big and Little Cottonwood Creeks are forecast to flow 37,000 acre feet (123%) and 40,000 acre feet (129%) respectively. Parleys Creek is expected to flow 10,400 acre feet (155%) and Farmington Creek 8,100 acre feet (145%). The mean daily peak flow on Big Cottonwood Creek is expected to fall between 350 - 500 cfs.

Utah Lake Inflow is forecast at 179% of average (235,000 acre feet). American Fork is forecast to flow 42,000 acre feet (175%) and the Provo near Hailstone 103,000 acre feet (126%). Strawberry Reservoir Inflow is expected to be 65,000 acre feet (203%).

### EASTERN UTAH

Eastern Utah's summer water supply outlook is "above average" to "excellent."

Snow cover as of May 1 ranged from slightly below average on the north slope of the Uintah Mountains to 290% on the Blue Mountains near Monticello. The south slopes of the Uintah's varied from 134% on the upper Duchesne to 183% on the Uintah and Whiterocks drainages. Lakefork Creek is 167% and Ashley Creek 181% of the May 1 average snow water contents. Strawberry River was 167% of average as of May 1. Low and medium elevation snow is gone from the Price River watershed. The watershed as a whole is now 128% of average. Snow cover on the San Rafael is 134% of the May 1 average.

Reservoir storage in eastern Utah is well above the average for May 1. Moon Lake held 29,100 acre feet as of May 1 and the average is 17,500 acre feet. Steinaker held 26,500 acre feet and Joe's Valley 31,100 acre feet. Scofield held 44,000 acre feet and its May 1 average is 26,400 acre feet. Flaming Gorge held 1,712,100 acre feet on May 1. Streamflow forecasts for the May-July period vary from 121% (68,000 acre feet) on the Yellowstone to 265% (106,000 acre feet) for the Strawberry at Duchesne. Mean daily peak flow on the Strawberry is expected to be between 1035 - 1860 cfs.

The Duchesne at Tabiona is forecast to flow 137,000 acre feet (161%) and 315,000 acre feet (240%) at Myton. Ashley Creek is expected to produce 70,000 acre feet (167%) during the May-July period with a mean daily peak between 940 - 1790 cfs.

Lakefork Creek is forecast to flow 84,000 acre feet (146%) during the May-July period and the Uinta and Whiterocks 132% and 133% of average respectively. Rock Creek is forecast to flow 110,000 acre feet (132%) of average.

Price River forecasts dropped slightly and are now 108,000 acre feet (250%) at Heiner, 18,000 acre feet (197%) for Gooseberry Creek and 55,000 acre feet (204%) for Scofield Inflow for the May-July period.

## WATER SUPPLY OUTLOOK (continued)

Ferron Creek is expected to flow 48,000 acre feet (156%) with a mean daily peak between 480 - 790 cfs. Cottonwood Creek 55,000 acre feet (138%) and Huntington Creek 61,000 acre feet (160%). Muddy Creek is forecast at 166% of average or 24,000 acre feet during the May-July runoff period.

### CENTRAL AND SOUTHERN UTAH

Water supplies in Central and Southern Utah are expected to be excellent this year. Periods of cool weather have held back snow melt at higher elevations and a very heavy snow pack still remains on the Upper Sevier, Virgin, Coal Creek and Beaver River watersheds. May 1 snow surveys show 2 to 5 times the average May 1 water content on these watersheds.

The East Fork of the Sevier has 179% of average and Clear Creek 155% of the May 1 average. Salina Creek has 134% snow cover and the San Pitch tributaries ranged from 118% to 137% of the May 1 average.

Reservoir storage is well above average. Otter Creek is full and spilling and Piute had 62,100 acre feet as of May 1. Sevier Bridge had 166,200 acre feet and Gunnison had 17,200 as of May 1. Minersville Reservoir is full at 23,300 acre feet.

Streamflow forecasts indicate well above average flows can be expected on the Virgin, Coal Creek and the Sevier rivers. The Virgin River is forecast to flow 75,000 acre feet (340%) for the May-June period and have a mean daily peak between 2140 - 2630 cfs. Coal Creek is expected to flow 31,000 acre feet (284%) during the May-July period with a mean daily peak flow between 370 - 640 cfs.

The Sevier at Hatch is forecast to flow 61,000 acre feet (226%) and 55,000 acre feet (404%) is expected below Piute Dam during the May-July period. The Sevier at Gunnison is expected to get 50,000 acre feet (327%) and Salina Creek is forecast to flow 14,300 acre feet (286%) during the May-July runoff period.

Peak flow forecasts indicate a mean daily peak between 825 - 1070 cfs. at Hatch, 900 - 1000 cfs. at Kingston and 325 - 400 cfs. on Salina Creek.

The Beaver River is forecast to flow 30,000 acre feet (181%) May-July and 12,000 acre feet is expected to flow into Rockyford Reservoir during the May-June period. The mean daily peak flow is expected to fall between 300 - 565 cfs. on the Beaver River.

Streams flowing into the San Pitch River are expected to produce about twice average flow this season. Ephraim Creek - 26,000 acre feet (197%), Pleasant Creek 14,000 acre feet (206%) for the May-July period and Twin Creek 7,500 acre feet (188%) for the May-September period. Chalk Creek near Fillmore is forecast to flow 19,000 acre feet (171%) of the May-July average. A very good irrigation water supply is in prospect this year on all streams.

Streamflow forecasts on Colorado River tributaries dropped slightly as a result of low precipitation over most of the basin during April. Flaming Gorge Inflow is expected to be 1,255,000 acre feet (119%), Green River at Green River, Utah 3,138,000 acre feet (122%) and Lake Powell Inflow 8,380,000 acre feet (128%). The San Juan near Bluff is expected to flow 1,349,000 acre feet during the April-July period.





# RESERVOIR STORAGE ( 1,000 Ac. Ft. )

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED ( FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE <sup>a</sup>
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1166.3	1144.7	951.9
	Woodruff Narrows	26.5	26.5	26.5	- -
<u>Beaver River</u>	Minersville(Rocky Ford)	23.3	23.3	20.0	11.3
<u>Little Bear</u>	Hyrum	15.3	11.0	13.5	15.1
	Porcupine	11.3	11.3	9.5	- -
<u>Ogden</u>	Causey	7.1	3.4	0.2	- -
	Pineview	110.1	86.7	76.4	50.9
<u>Provo</u>	Deer Creek	149.7	114.1	108.1	97.0
<u>Sevier River</u>	Gunnison	18.2	17.2	18.3	- -
	Otter Creek	52.5	52.7	40.5	31.4
	Piute	71.8	62.1	63.9	35.0
	Sevier Bridge	236.0	166.2	109.3	94.6
<u>Spanish Fork</u>	Strawberry	270.0	175.6	136.6	132.2
<u>Utah Lake</u>	Utah Lake	883.9	922.2	832.0	620.4
<u>Weber</u>	East Canyon	48.1	43.2	42.4	18.5
	Echo	73.9	42.9	56.2	51.2
	Lost Creek	20.0	16.8	12.4	- -
	Rockport	60.9	37.0	47.8	27.3
	Willard Bay	193.3	143.9	174.0	- -
COLORADO RIVER DRAINAGE					
<u>Ashley Creek</u>	Steinaker	33.3	26.5	29.5	- -
<u>Colorado</u>	Blue Mesa	829.5	362.3	336.2	- -
	Lake Powell	25002.0	8049.0	7459.05	- -
<u>Green</u>	Flaming Gorge	3749.0	1712.1	2025.6	- -
<u>Lake Fork</u>	Moon Lake	35.8	29.1	24.6	17.5
<u>Price River</u>	Scofield	65.8	44.0	51.6	26.4
<u>San Rafael</u>	Joe's Valley	54.6	31.1	19.6	- -
<u>San Juan</u>	Navajo	1696.4	732.8	601.3	- -



# UTAH STREAMFLOW FORECASTS<sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>a</sup>
<u>BEAR RIVER SYSTEM</u>					
Bear at Harer, Idaho	260	167	May-July	172	156
Bear nr Randolph	132	194	May-July	107	68
Bear nr Ut-Wyo State Line	135	135	May-July	131	100
Bear nr Woodruff	125	158	May-July	138	79
Big Crk nr Randolph, Utah	7.5	197	May-July	2.2	3.8
Blacksmith Fork nr Hyrum	45	150	May-July	30	37
Little Bear nr Paradise	37	142	May-June	25	26
Logan nr Logan (1)	85	99	May-July	89	86
Smith's Fork nr Border, Wyoming	130	120	Apr-Sept	76	108
Woodruff Crk nr Woodruff, Utah	16.0	142	May-July	11.1	11.2
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk. at Coalville	35	152	May-July	42	23
East Canyon Crk. nr Morgan (2)	17.5	148	May-July	18.6	11.8
Hardscrabble Crk nr Porterville	17.5	152	May-July	15.4	11.5
Lost Crk. nr Croydon, Utah	20	225	May-July	9.2	8.9
Pineview Reservoir Inflow (3)	114	181	May-July	68	63
South Fork Ogden nr Huntsville	66	189	May-July	34	35
Rockport Reservoir Inflow (4)	149	152	May-July	140	98
Weber nr Coalville (5)	130	138	May-July	135	94
Weber nr Oakley	137	137	May-July	130	100
<u>PROVO RIVER &amp; UTAH LAKE</u>					
American Fork nr American Fork	42	175	May-July	31	24
Hobble Crk. Nr Springville	22	218	May-July	16.1	10.1
Provo nr Hailstone (6)	103	126	May-July	108	82
Provo below Deer Crk. Dam (7)	110	126	May-July	123	87
Spanish Fork at Thistle	52	248	May-July	39	21
Strawberry Reservoir Inflow (8)	65	203	May-July	54	32
Utah Lake Inflow	235	179	May-July	187	131
<u>JORDAN RIVER &amp; SALT LAKE</u>					
Big Cottonwood nr SLC	37	123	May-July	35	30
Farmington Crk nr Farmington	8.1	145	May-July	7.5	5.6
Little Cottonwood Crk nr SLC	40	129	May-July	37	31
Parley's Crk nr SLC	10.4	155	May-July	11.8	6.7

FOOTNOTES - See last page

# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>a</sup>
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	19	171	May-July	- -	11.1b
Clear Crk nr Sevier (abv. Div.)	22	182	May-July	- -	12.1
East Fork Sevier nr Kingston (9)	11.6	170	May-July	10.5	6.8
Antimony Crk nr Antimony	9.0	152	May-July	6.3	5.9b
Inflow					
Kingston to Vermillion Dam	77	257	Apr-June	- -	30 b
Vermillion Dam to Gunnison	77	171	Mar-June	- -	45 b
Salina Crk at Salina (10)	14.3	286	May-June	15.3	5.0*
Sevier nr Circleville	70	350	May-July	- -	20
Sevier nr Gunnison	50	327	May-July	- -	15.3
Sevier at Hatch	61	226	May-July	49	27
Sevier nr Kingston	56	386	May-July	- -	14.5
Sevier below Piute Dam (11)	55	404	May-July	- -	13.6
<u>SAN PITCH RIVER</u>					
Ephraim Creek nr Ephraim	26	197	May-July	- -	13.2b
Pleasant Crk. nr Mt. Pleasant	14	206	May-July	9.3	6.8b
Twin Crk. nr Mt. Pleasant	7.5	188	May-Sept	- -	4.0b
<u>BEAVER RIVER</u>					
Beaver nr Beaver	30	181	May-July	28	16.5
Rockyford Reservoir Inflow(12)	12.0	279	May-June	- -	4.3
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	31	284	May-July	18.7	10.9

## COLORADO

### GREEN RIVER TRIBUTARIES IN UTAH

### FLAMING GORGE TO DUCHESNE RIVER

Ashley Creek nr Vernal	70	167	May-July	59	42
Henry's Fork at Linwood	50	132	Apr-Sept	- -	38

FOOTNOTES - See last page

# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>a</sup>
<u>DUCHESNE RIVER</u>					
Duchesne nr Hanna	82	157	Apr-July	39	52 <sup>b</sup>
Duchesne nr Tabiona (13)	137	161	May-July	108	85
Lakefork below Moon Lake (14)	84	146	May-July	74	57
Rock Crk nr Mtn. Home	110	132	May-July	106	83
Strawberry at Duchesne	106	265	May-July	- -	40
Uinta nr Neola	99	132	May-July	108	75
Whiterocks nr Whiterocks	64	133	May-July	73	48
Yellowstone nr Altonah	68	121	May-July	79	56
Duchesne at Myton	315	240	May-July	219	131
Duchesne at Randlett	590	225	Apr-July	350	262
<u>PRICE RIVER</u>					
Gooseberry Crk. nr Scofield	18.0	197	May-July	11.3	9.1
Price nr Hiener (15)	108	250	May-July	79	43
Scofield Reservoir Inflow (15)	55	204	May-July	40	27
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	55	138	May-July	- -	40
Ferron Crk nr Ferron	48	156	May-July	34	31
Huntington Crk nr Huntington	61	160	May-July	51	38
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	24	166	May-July	- -	14.5
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	75	340	May-June	42	22
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah (15)	3412	122	Apr-July	3653	2802
Flaming Gorge Inflow (3)	1255	119	Apr-July	1061	1054
Lake Powell Inflow (3)	8380	128	Apr-July	7247	6527
Green at Green River, Utah (15)	3138	122	Apr-July	1796	2574
San Juan nr Bluff, Utah (15)	1349	152	Apr-July	923	890
Navajo Reservoir Inflow	940	152	Apr-July	591	619

FOOTNOTES - See last page

**PEAK FLOWS (Maximum Mean Daily)** (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (second feet)	
	FORECAST RANGE	15-YR. AVERAGE 1953-67

NORTHERN UTAH

Big Creek near Randolph	65 - 105	43
Big Cottonwood Creek near SLC	350 - 500	366
Hobble Creek near Springville	405 - 670	180
Spanish Fork near Thistle	545 - 1030	307
So. Fork Ogden River nr Huntsville	1000 - 1500	647
Little Bear nr Paradise	630 - 850	439

EASTERN UTAH

Ashley Creek nr Vernal	940 - 1790	920
Ferron Creek near Ferron	480 - 790	414
Muddy Creek near Emery	150 - 280	142
Strawberry River at Duchesne	1035 - 1860	558

SOUTHERN and CENTRAL UTAH

Beaver River near Beaver	300 - 565	215
Clear Creek near Sevier	260 - 320	156b
Coal Creek near Cedar City	370 - 640	217
Salina Creek near Salina	325 - 400	133*
Sevier River at Hatch	825 - 1070	370
Sevier River at Circleville	860 - 1070	292
Sevier River at Kingston	900 - 1000	223
Virgin River at Virgin	2140 - 2630	653

## LOW FLOW FORECASTS

FORECAST POINT	DATE STREAMFLOW RECEDES TO LOW FLOW VALUE*	LOW FLOW VALUE	AVERAGE DATE OF LOW FLOW VALUE
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Clear Creek nr Sevier (above div.)	Aug. 10	15 cfs	July 28
Salina Creek at Salina	June 15	25 cfs	June 10
Sevier at Circleville(Circle Valley)	July 21	90 cfs	June 24
Sevier at Hatch(upper Panguitch Valley)	Aug. 15	100 cfs	July 10

## PRIMARY WATER RIGHTS (Percent of)

RIVER SECTION	FORECAST THIS YEAR	AVERAGE DELIVERED DURING 15 YEARS 1953-67 -	FORECAST PERIOD
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### Sevier River

Below Vermillion Dam	75	58	April - Sept.
Circle Valley	90	66	April - Sept.
Panguitch Valley	95	84	April - Sept.
Sevier Valley	65	40	April - Sept.

## OTHER SPECIAL FORECASTS

Kingston to Vermillion - Flow above 400 second feet - 15,000 - 20,000 acre feet.

Below Vermillion - Flow above 360 second feet - 3,000 - 4,000 acre feet, not including flow added by the San Pitch River.

*\*Following this date, streamflow is expected to fall below "Low Flow Value" shown.*



# COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE $\bar{a}$
<u>Bear River</u>			
Bear River So. of Evanston, Wyo.	4	49	90
Blacksmith Fork - Little Bear River	5	102	163
Logan River	5	65	74
Smith's Fork of Bear River, Wyo.	5	88	99
Strawberry-Mink Creeks	3	57	69
<u>Weber-Ogden Rivers</u>			
Chalk Creek above Coalville	3	58	75
East Canyon Creek	3	70	123
Farmington Creek	2	97	134
Ogden River	5	119	159
Weber River above Coalville	8	74	117
<u>Utah Lake, Jordan River &amp; Tooele Valley</u>			
American Fork River	3	113	215
Hobble Creek	2	52	130
Mt. Nebo Area	2	46	98
Provo River above Deer Creek Dam	6	75	120
Salt Lake Area	4	68	118
Spanish Fork River	5	70	128
Strawberry Reservoir Valley	3	65	120
Tooele Area	3	108	186
<u>Sevier River</u>			
Beaver River	3	114	253
Chalk Creek nr Fillmore	2	65	345
Clear Creek above Sevier	1	90	155
East Fork Sevier River	5	69	179
Ephraim Creek	2	80	118
Mt. Pleasant Area	2	85	136
Salina Creek	2	72	134
Sevier River above Panguitch	6	108	328
Twelve Mile Creek near Mayfield	2	78	137

FOOTNOTES - See last page

# COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE <sup>a</sup>

## Uintah Basin & North Slope Uintah Mountains

Ashley-Brush Creeks	4	100	181
Black's Fork & Smith's Fork Rivers	4	60	77
Duchesne River above Tabiona	4	80	134
Lakefork River	2	80	167
Strawberry River	5	68	167
Uintah-Whiterocks Rivers	3	129	183

## Carbon, Emery, Wayne, Grand & San Juan Counties

Blue Mountains near Monticello	2	82	290
East Carbon County	-	-	-
Fremont River	4	65	212
LaSal Mountains near Moab	2	32	104
Price River	6	67	128
San Rafael River	8	85	134

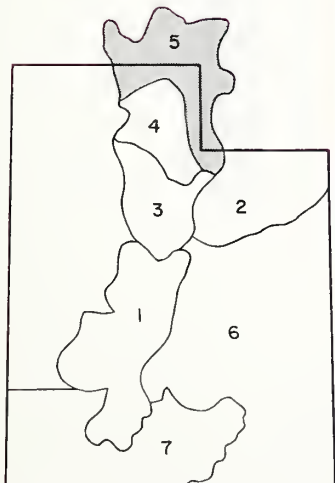
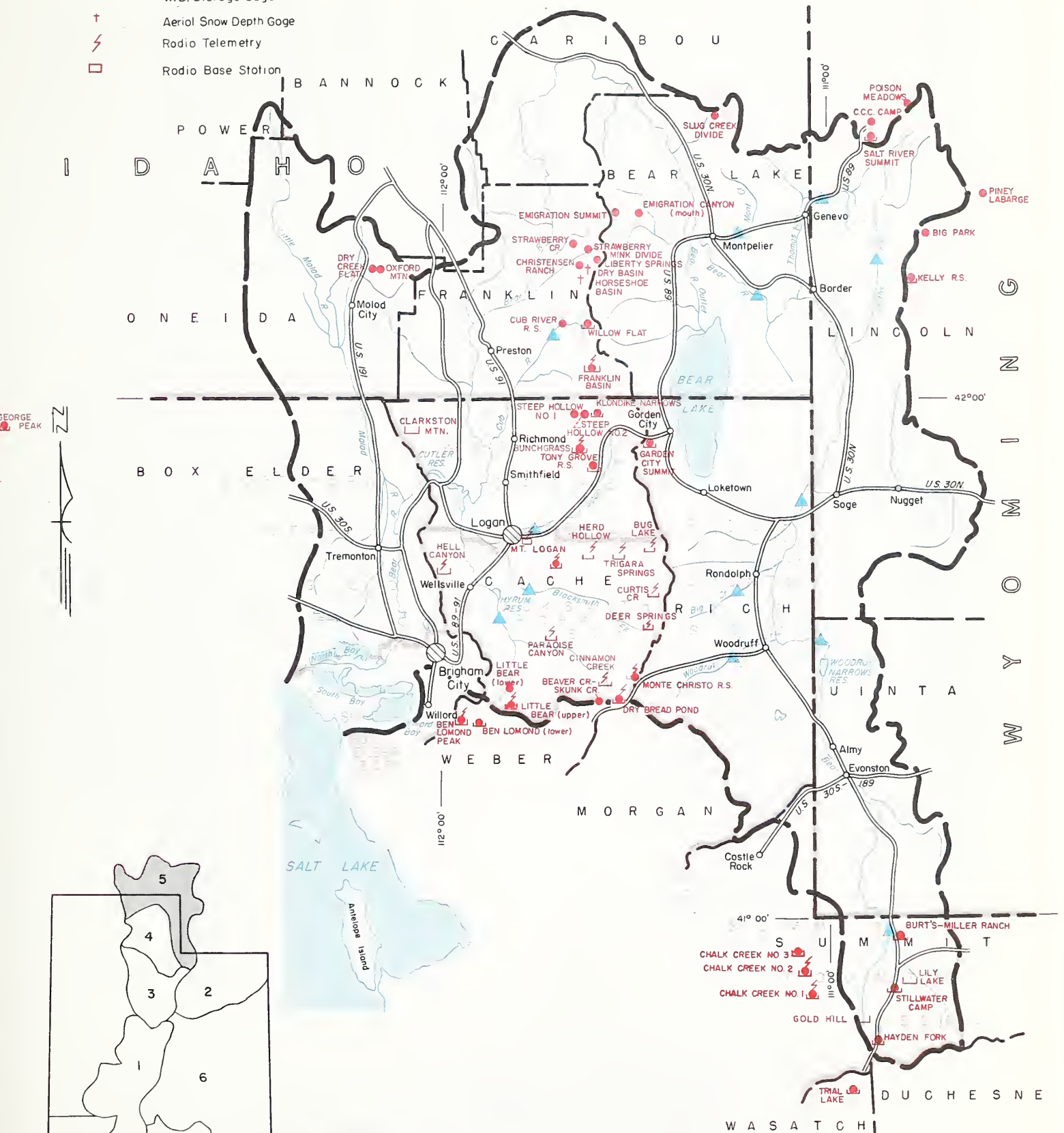
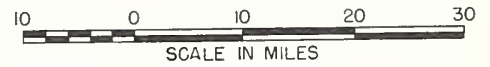
## East Garfield, Kane, Washington & Iron Counties

Coal Creek near Cedar City	4	122	315
Escalante River	3	65	130
Parowan Creek	3	80	139
Virgin River	4	132	472

# LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage
- Aerial Snow Depth Gage
- Radio Telemetry
- Radio Base Station

# BEAR RIVER BASIN



WATERSHED LOCATION

# INDEX

NO.	STATE	NAME	SE C.	TWP.	RGE.	ELEV.
UPPER BEAR RIVER (above Harer, Idaho)						
10G11	W	Big Park	7	27N	117W	8,700
10J6	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7	U	Hayden Fork	1	1S	9E	9,300
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12P	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10J17P	U	Stillwater Camp	32	2N	10E	8,550

LOWER BEAR RIVER (below Harer, Idaho)						
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mtn.	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8M	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	35	14N	4E	7,600
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,420
11H26	U	Little Bear (lower)	15	8N	1E	5,800
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H12P	U	Monte Cristo R.S.	3	8N	4E	8,960
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H4	U	Spring Hollow (lower)	26	12N	2E	7,000
11H5	U	Spring Hollow (upper)	35	12N	2E	8,000
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE



## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## BEAR RIVER BASIN

UPPER BEAR RIVER  
(Above Harer, Idaho)

Big Park x	10G11	8700	4/28	55	23.8	21.4	20.2
Burts-Miller Ranch	10J6	7900	4/24	0	0.0	6.8	1.1b
CCC Camp	10G7	7500	4/30	11	4.7	8.9	5.9
Hayden Fork	10J7	9300	4/24	34	15.0	18.9	14.7b
Kelly Ranger Station	10G12	8200	4/28	46	20.6	17.9	17.2
Monte Cristo R. S.	11H12	8960	4/25	58	26.9	25.8	24.6
Piney-LaBarge x	10G10	8820	4/29	35	16.9	21.3	- -
Poison Meadows x	10G6	8500	4/29	60	26.5	29.8	31.5*
Salt River Summit x	10G8	7900	4/30	23	9.4	11.3	11.9*
Stillwater Camp	10J17	8550	4/24	16	6.7	12.2	6.6b
Trial Lake x	10J8	9300	4/30	67	31.6	29.6	27.3

LOWER BEAR RIVER  
(Below Harer, Idaho)

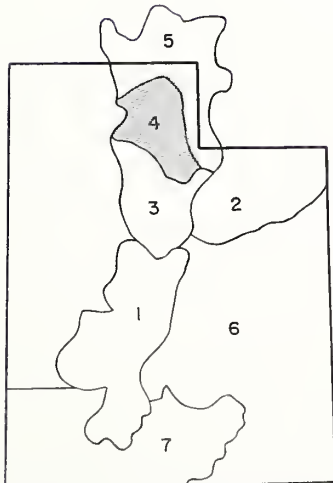
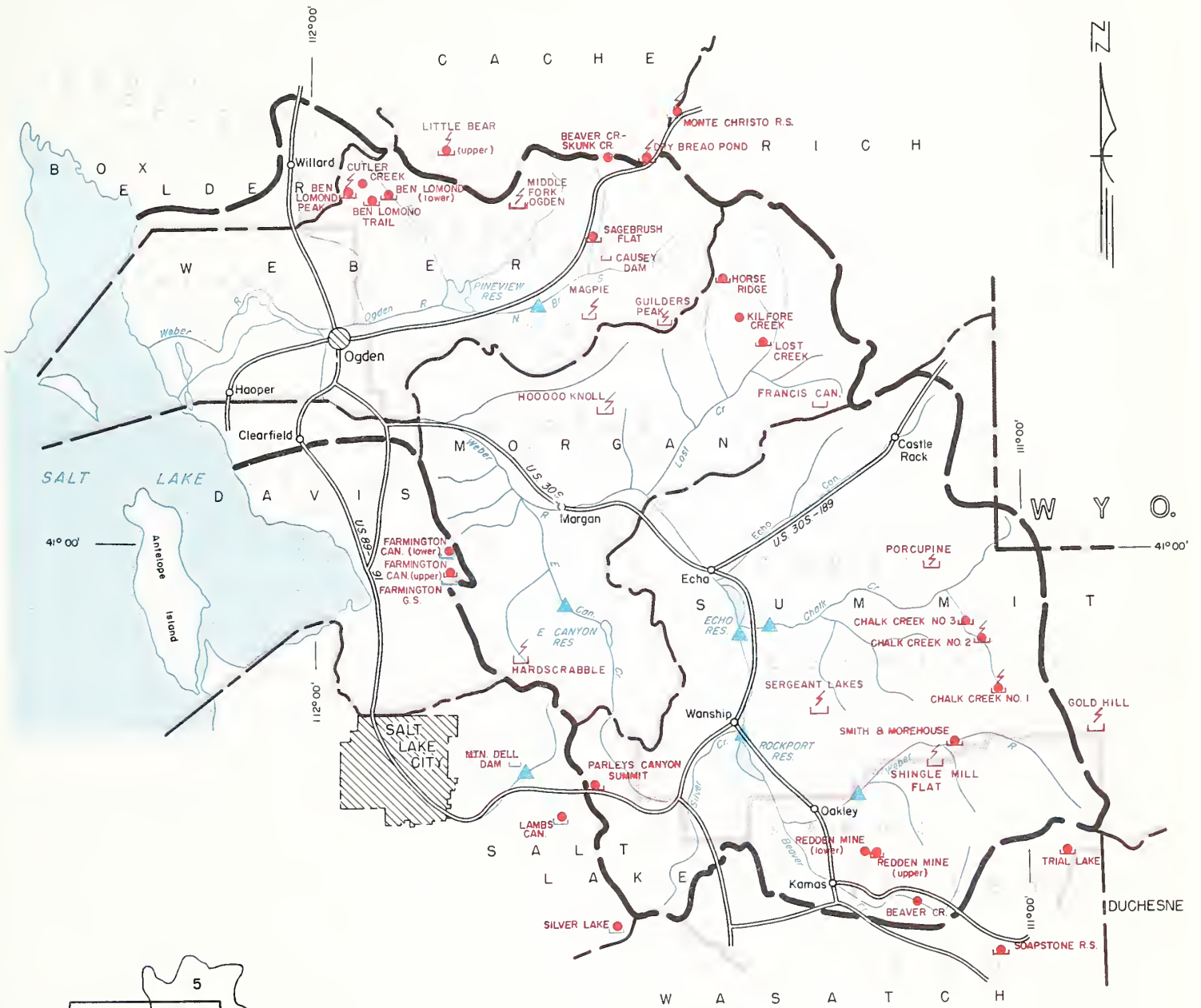
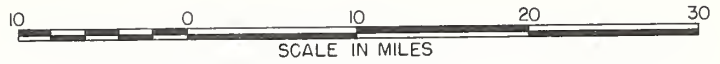
Beaver Crk-Skunk Crk	11H14	7150	4/25	21	9.0	8.0	3.3
Dry Bread Pond x	11H13	8230	4/25	48	22.0	16.0	13.9
Emigrant Summit	11G6	7700	4/29	48	24.4	25.4	21.5*
Garden City Summit	11H7	7600	4/29	33	15.1	14.8	14.7
Klondike Narrows	11H1	7400	4/29	22	10.4	16.5	13.2b
Little Bear(lower)	11H26	6100	4/28	0	0.0	0.0	0.5b
Little Bear(upper)	11H25	6850	4/28	10	4.0	7.3	2.3b
Monte Cristo R. S.	11H12	8960	4/25	58	26.9	25.8	24.6
Steep Hollow #1	11H27	8500	4/29	73	35.2	39.9	35.3b
Steep Hollow #2	11H28	7700	4/29	36	17.6	24.5	20.3b
Strawberry Creek	11G9	5800	4/29	0	0.0	4.4	2.1*
Strawberry Mink Divide	11G10	6800	4/29	29	13.4	18.1	14.1*
Tony Grove R. S.	11H3	6250	4/29	0	0.0	1.2	0.8b
Willow Flat	11G4	6100	4/30	0	0.0	1.4	3.3



# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE
Chalk Creek #1 x	9100	Data Unavailable			- -	- -	- -
Chalk Creek #2 x	8000	"	"	3.32*	- -	18.28*	- -
Chalk Creek #3 x	7500	4/25	2.22	3.91b	16.78	16.64b	101
Dry Bread Pond	8230	4/25	2.89	4.00*	- -	23.90*	- -
Garden City Summit	7600	4/27	1.52	3.40*	21.07	21.30*	99
Hayden Fork	9300	4/24	3.60	- -	24.47	- -	- -
Klondike Narrows	7400	Data Unavailable			- -	26.76*	- -
Little Bear (upper)	6850	"	"	4.46*	- -	22.92*	- -
Monte Cristo #2	8960	4/25	3.43	5.48b	33.53	30.13b	111
Sagebrush Flat x	6300	4/25	1.69	2.63b	17.83	15.99b	112
Salt River Summit	7900	4/30	0.60	2.54b	18.25	18.23*	100
Stillwater Camp	8550	4/24	2.82	2.94b	15.57	15.52*	100
Tony Grove R.S. (SCS)	6250	Data Unavailable			- -	22.15b	- -
Trial Lake x	9800	4/30	3.55	3.87	32.19	25.05*	128
Willow Flat	6100	4/30	2.60	4.02b	27.37	25.17*	109

# WEBER - OGDEN WATERSHEDS



WATERSHED LOCATION

## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage
- Radio Telemetry

# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
OGDEN RIVER						
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8	U	Ben Lomond Peak	3	7N	1E	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	5,850
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H31	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H12P	U	Monte Cristo R.S.	3	8N	4E	8,960
11H10	U	Mt. Ogden	5	5N	1E	8,600
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
11H11P	U	Snow Basin	32	6N	1E	6,420

WEBER RIVER						
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	8,000
11J3M	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower) x	14	3N	1E	6,950
11J11	U	Farmington Canyon (upper) x	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21P	U	Horse Ridge	1	6N	4E	8,260
11H31	U	Kilfore Creek	20	6N	5E	7,300
11J14	U	Lamb's Canyon x	19	1S	3E	6,600
11H32P	U	Lost Creek	27	6N	5E	6,125
11J15P	U	Parley's Canyon Summit	9 & 10	1S	3E	7,600
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Reddon Mine (lower)	1	2S	6E	8,500
11J5	U	Reddon Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J16P	U	Silver Lake (Brighton) x	35	2S	3E	8,725
11J4P	U	Smith & Morehouse	25	1N	7E	7,600
10J8P	U	Trial Lake x	5	2S	9E	9,800

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## WEBER-OGDEN WATERSHEDS

### OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	4/25	21	9.0	8.0	3.3
Ben Lomond(lower)	11H9	5850	4/28	14	6.0	9.7	3.7b
Ben Lomond Peak	11H8	8000	4/28	84	43.8	35.1	30.6
Ben Lomond Trail	11H30	6000	4/28	14	6.0	7.5	5.3b
Cutler Creek	11H31	6780	4/28	61	30.5	22.5	23.8b
Dry Bread Pond	11H13	8230	4/25	48	22.0	16.0	13.9
Monte Cristo R.S.	11H12	8960	4/25	58	26.9	25.8	24.6
Sagebrush Flat	11H15	6300	4/25	0	0.0	0.0	0.0b

### WEBER RIVER

Beaver Creek R.S.	11J24	7500	4/30	0	0.0	4.8	1.1
Chalk Creek #1	11J1	9100	4/25	62	26.3	26.5	23.2
Chalk Creek #2	11J2	8000	4/25	33	13.1	17.4	11.8
Chalk Creek #3	11J3	7500	4/25	0	0.0	7.0	1.9*
Farmington Canyon(lower)	11J12	6950	4/24	54	23.8	26.5	17.8
Farmington Canyon(upper)	11J11	8000	4/24	83	36.2	34.7	27.1b
Lamb's Canyon x	11J14	6600	4/30	18	7.5	12.8	6.3
Parley's Canyon Smt.	11J15	7500	4/30	22	10.3	21.1	10.4
Redden Mine(lower)	11J6	8500	4/29	44	21.8	20.7	14.9*
Redden Mine(upper)	11J5	9000	4/29	49	24.8	23.0	17.0
Silver Lake x	11J16	8725	4/29	59	36.2	35.6	24.2
Smith & Morehouse	11J4	7600	4/28	21	9.2	14.8	5.8
Trial Lake x	10J8	9300	4/30	67	31.6	29.6	27.3



# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE

## OGDEN RIVER

Ben Lomond(lower)	5850	4/28	1.84	4.72*	35.78	28.19*	127
Ben Lomond Trail	6000	4/28	2.93	7.07b	42.18	31.72*	133
Causey Dam	5500	4/25	1.78	2.95b	16.34	- -	- -
Dry Bread Pond	8230	4/25	2.89	4.00*	- -	23.90*	- -
Monte Cristo #2 x	8960	4/25	3.43	5.48b	33.53	30.13b	111
Sagebrush Flat	6300	4/25	1.69	2.63b	17.83	15.99b	112

## WEBER RIVER

Chalk Creek #1	9100	- -	- -	- -	- -	- -	- -
Chalk Creek #2	8000	- -	- -	3.32*	- -	18.28*	- -
Chalk Creek #3	7500	4/25	2.22	3.91b	16.78	16.64b	101
Farmington Guard Sta.	7500	4/24	5.42	5.54	39.58	32.30	122
Farmington Rice	7000	4/24	5.00	5.54	38.99	29.92	130
Mt. Dell Dam x	5500	4/30	2.80	2.88	15.98	14.72	108
Parley's Canyon Smt.	7500	4/30	4.19	4.71*	30.45	24.04*	127
Redden Mine(upper)	9000	4/29	4.45	- -	34.46	- -	- -
Silver Lake(Brighton) x	8725	4/30	2.30	6.58	41.39	30.73	135
Smith & Morehouse	7600	4/28	3.25	3.54*	23.73	19.99*	119
Trial Lake x	9300	4/30	3.55	3.87	32.19	25.05*	128

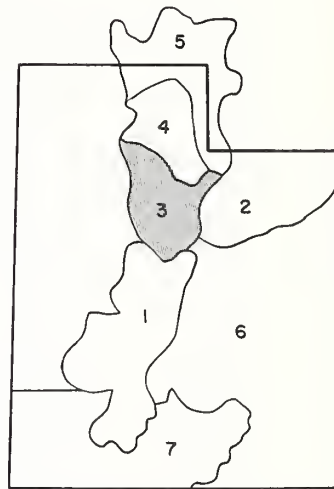


# UTAH LAKE, JORDAN RIVER AND TOOEELE VALLEY WATERSHEDS



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ┌ S.C.S. Storage Gage
- └ W.B. Storage Gage



WATERSHED LOCATION



# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PROVO RIVER & UTAH LAKE						
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22P	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J7P	U	East Portal	36	7S	6E	7,560
11J22P	U	Hobble Creek Summit	20	7S	5E	7,420
11J31	U	Packard Canyon	21	7S	5E	6,400
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J8	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8P	U	Trial Lake	5	2S	9E	9,800

## JORDAN RIVER & GREAT SALT LAKE

12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11	U	Farmington Canyon (upper)	26	3N	1E	8,000
11J14	U	Lamb's Canyon	19	1S	3E	6,600
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J10	U	Mill D South Fork	18	2S	3E	7,400
11J15P	U	Parley's Canyon Summit x	9 & 10	1S	3E	7,600
12J1	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
12K2P	U	Vernon Creek	21	10S	5W	7,500

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## UTAH LAKE, JORDAN RIVER & TOOELE VALLEY WATERSHEDS

### UTAH LAKE

Beaver Creek R.S.	11J24	7500	4/30	0	0.0	4.8	1.1
Camp Altamont	11J20	7300	4/29	27	14.0	12.5	4.9
Clear Creek Ridge # 1	11J1	9200	4/28	43	21.2	21.5	15.2b
Clear Creek Ridge # 2	11J2	8000	4/29	25	12.4	15.0	7.4b
Clear Creek Ridge # 3	11J3	6600	4/29	0	0.0	0.6	0.1b
Daniels Strawberry Smt.	11J23	8000	4/28	26	13.5	15.8	6.5
Dutchman R.S.	11J17	7500	4/29	28	14.0	14.2	8.1b
East Portal	11J7	7560	4/30	10	3.2	10.4	10.1b
Hobble Creek Summit	11J22	7300	4/25	19	7.7	13.1	5.1b
Packard Canyon	11J31	6400	4/25	0	0.0	1.8	0.8b
Payson R.S.	11K1	8050	4/24	32	14.8	21.2	11.7b
Rock Bridge	11K2	6750	4/24	0	0.0	11.2	3.4b
Soapstone R.S.	11J25	7800	4/30	9	3.4	13.3	5.7
Strawberry Divide	11J8	8000	4/30	42	18.2	22.6	- -
Timpanogos Divide	11J21	8140	4/29	63	34.4	26.8	18.4
Trial Lake	10J8	9800	4/30	67	31.6	29.6	27.3

### JORDAN RIVER & TOOELE VALLEY

Bevan's Cabin	12J2	6450	4/25	20	7.2	8.8	1.7b
Lamb's Canyon	11J14	6600	4/30	18	7.5	12.8	6.3
Middle Canyon-Tooele	12J3	7000	4/25	30	12.8	14.2	6.0b
Mill D South Fork	11J10	7400	4/29	27	12.6	19.8	11.9
Parley's Canyon Smt. x	11J15	7500	4/30	22	10.3	21.1	10.4
Rocky Basin-Sttlmt. Cyn.	12J1	8900	4/27	78	39.3	31.7	24.2b
Silver Lake	11J16	8725	4/29	59	36.2	35.6	24.2
Vernon Creek	12K1	7500	4/24	17	7.0	3.8	- -

# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTHS PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE

## UTAH LAKE

Clear Creek Ridge #2	8000	4/29	1.24	2.97b	23.24	17.29*	135
Daniels-Strawberry Smt.	8000	4/28	1.94	2.72*	27.31	19.83*	138
Dutchman R. S.	7500	4/29	2.90	3.91b	36.05	23.17b	156
East Portal Ridge	7800	4/30	2.50	3.63	25.59	20.53*	125
Hobble Creek Smt.	7300	4/24	2.75	- -	24.05	- -	- -
Payson R. S.	8050	4/24	1.95	3.59b	26.15	20.56	127
Soapstone R. S.	7800	4/30	2.81	2.94*	19.64	17.61*	112
Timpanogos Divide	8200	4/29	1.61	3.69	50.81	27.47	185
Trial Lake	9800	4/30	3.55	3.87	32.19	25.05*	128

## JORDAN RIVER & TOOELE VALLEY

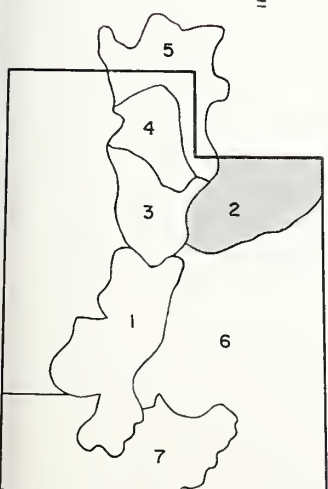
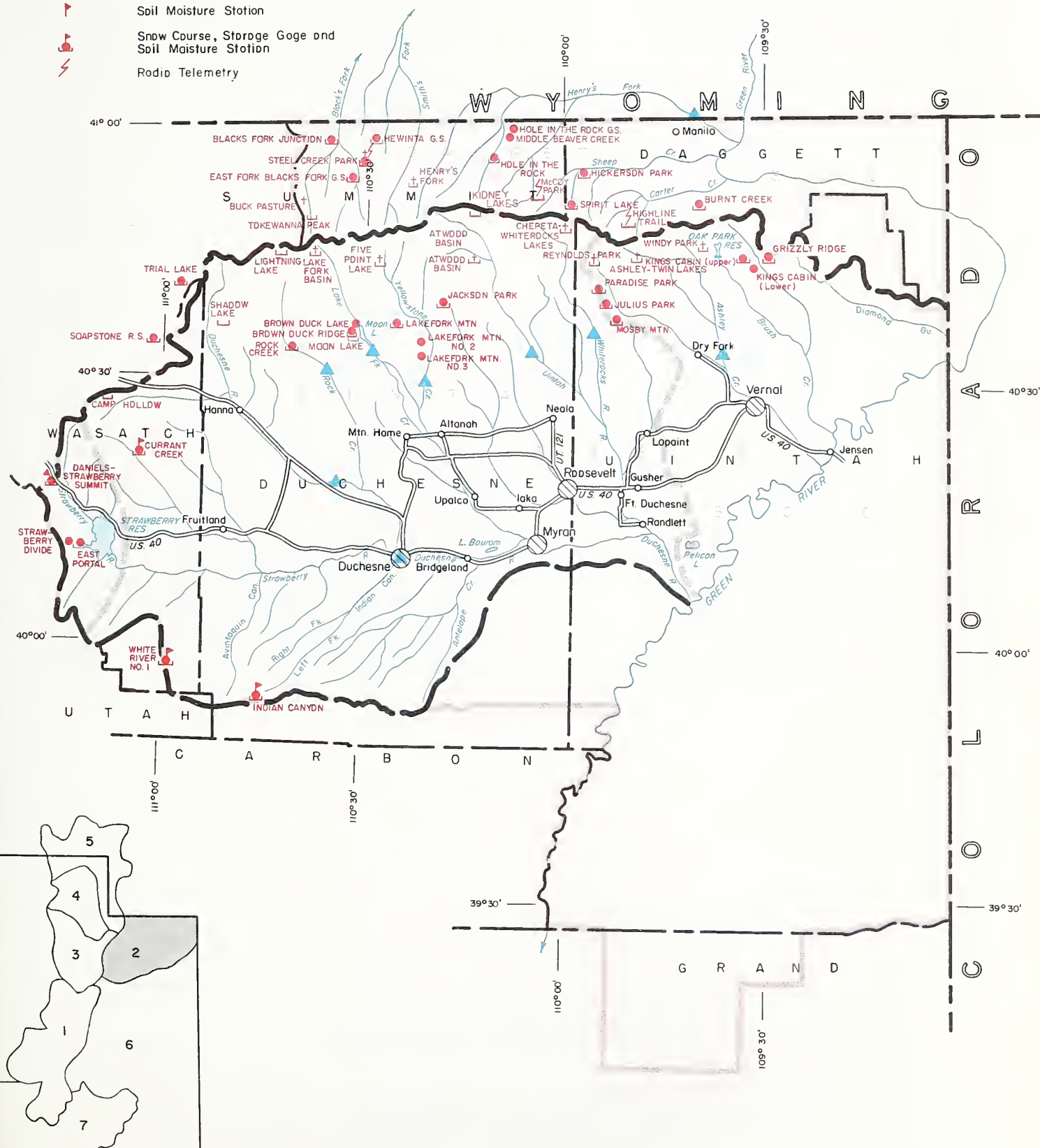
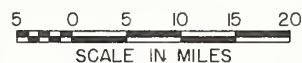
Middle Canyon	7000	4/25	3.85	4.42b	29.54	20.85*	142
Mt. Dell Dam	5500	4/30	2.80	2.88	15.98	14.72	109
Parley's Canyon Smt.	7500	4/30	4.19	4.71	30.45	24.04	127
Silver Lake(Brighton)	8725	4/30	2.30	6.58	41.39	30.73	135
Vernon Creek	7500	4/24	2.30	- -	23.67	- -	- -



# LEGEND

- Watershed Boundary
- Sub-watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage
- Aerial Snow Depth Gage
- Snow Course and Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Course, Storage Gage and Soil Moisture Station
- Radio Telemetry

## UINTAH BASIN & DAGGETT S. C. D's.



WATERSHED LOCATION

# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER GREEN RIVER IN UTAH (above Duchesne River)						
9J11a	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1P	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20A	U	Steel Creek Park	17	2N	13E	9,900
9J12a	U	Windy Park	1	1S	20E	9,400

## DUCHESNE RIVER

10J27a	U	Atwood Basin	21	1S	15E	10,250
10J9	U	Brown Duck Lake	2	2N	6W	10,300
9J9a	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit x	20	2S	12W	8,000
11J7P	U	East Portal x	36	7S	6E	7,560
10J26a	U	Five Point Lake	28	4N	5W	11,000
10K1P	U	Indian Canyon	2	11S	10E	9,100
10J19	U	Jackson Park	23	3N	4W	11,300
9J6P	U	Julius Park	20	3N	1E	9,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10P	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
9J5	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J25P	U	Soapstone R.S. x	9	3S	8E	7,800
11J8	U	Strawberry Divide x	34 & 35	7S	6E	8,000
10J8P	U	Trial Lake x	5	2S	9E	9,800
10K2MP	U	White River #1 x	11	10S	8E	8,550

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## UINTAH BASIN & DAGGETT SCD's

### UINTAH BASIN SCD

Currant Creek	11J32	7800	4/28	8	3.6	4.3	1.3b
Daniels Strawberry Smt.	11J23	8000	4/28	26	13.5	15.8	6.5
Grizzly Ridge	9J13	8500	4/23	26	11.0	17.4	- -
Indian Canyon	10K1	9100	4/29	28	14.4	17.6	7.8*
Julius Park	9J6	9800	4/22	48	21.2	16.4	11.8b
King's Cabin (lower)	9J2	8600	4/23	19	8.4	14.4	4.7
King's Cabin (upper)	9J1	8730	4/23	29	12.3	14.7	7.0
Lakefork Mountain	10J10	10500	4/25	36	16.6	16.2	10.8
Lakefork Mountain # 2	10J11	8900	4/25	12	5.4	9.4	3.0b
Lakefork Mountain # 3	10J12	8100	4/25	5	2.5	6.7	0.7b
Mosby Mountain	9J5	9500	4/22	38	16.4	13.4	9.0b
Paradise Park	9J3	10100	4/22	50	21.7	15.9	11.6b
Soapstone R.S. x	11J25	7800	4/30	9	3.4	13.3	5.7
Trial Lake x	10J8	9800	4/30	67	31.6	29.6	27.3
White River # 1	10K2	8600	4/29	20	9.8	16.6	7.4*

### DAGGETT SCD

Black's Fork Jct.	10J22	8925	4/23	16	5.3	11.4	7.9b
Burnt Creek	9J14	7900	- -	--	- -	5.4	- -
E.Fk. Black's Fork G.S.	10J21	9300	4/23	18	7.2	13.3	9.7b
Hewinta Guard Station	10J4	9500	4/23	21	7.8	12.3	9.9b
Hickerson Park	9J8	9100	4/23	10	3.7	8.6	- -
Spirit Lake	9J7	10300	4/23	37	14.2	17.4	14.4b
Steel Creek Park	10J20	9900	4/23	49	15.8	20.1	17.7b

# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE

## UINTAH BASIN SCD

Currant Creek	7800	4/28	1.51	2.26b	20.67	14.61b	141
Daniels-Strawberry Smt.x	8000	4/28	1.94	2.72*	27.31	19.83*	138
East Portal Ridge x	7800	4/30	2.50	3.63	25.59	20.53*	
Grizzly Ridge	8500	4/23	2.45	- -	19.90	- -	- -
Indian Canyon	9100	4/29	1.44	2.35b	20.01	15.41b	130
Julius Park	9800	4/22	2.25	2.99b	20.63	14.23*	145
King's Cabin(upper)	8730	4/23	3.11	2.84	17.03	12.88*	132
Lakefork Mountain	10500	4/25	1.84	2.55*	18.62	13.64*	136
Moon Lake	8150	4/30	0.60*	1.47	10.45	9.01	116
Mosby Mountain	9500	4/22	2.31	- -	19.98	- -	- -
Paradise Park	10100	4/22	2.65	2.98b	21.79	15.52*	140
Rock Creek	7900	4/30	1.68	2.14b	15.60	12.56b	
Soapstone R. S. x	7800	4/30	2.81	2.94*	19.64	17.61*	112
Trial Lake x	9800	4/30	3.55	3.87	32.19	25.05*	128
White River #1 x	8600	4/29	0.95	2.61b	13.51	15.59*	87

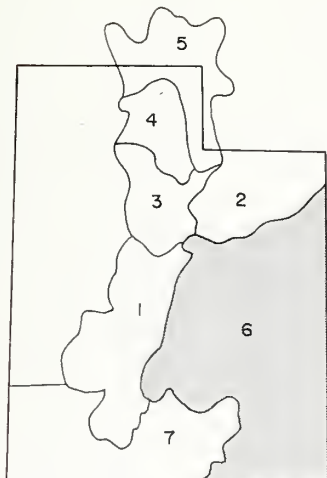
## DAGGETT SCD

Black's Fork Jct.	8925	4/23	2.87	2.75b	12.78	13.08b	98
Burnt Creek	7900	4/24	2.49	- -	11.07	- -	- -
East Fk. Black's Fk.G.S.	9300	4/23	3.14	2.95b	13.38	14.01b	
Hewinta Guard Sta.	9500	4/23	3.41	3.18b	14.82	14.95b	99
Spirit Lake	10300	4/23	3.10	4.35b	18.13	18.33*	99
Steel Creek Park	9900	- -	- -	- -	- -	- -	- -
Hickerson Park	9100	4/23	3.51	- -	10.40	- -	- -

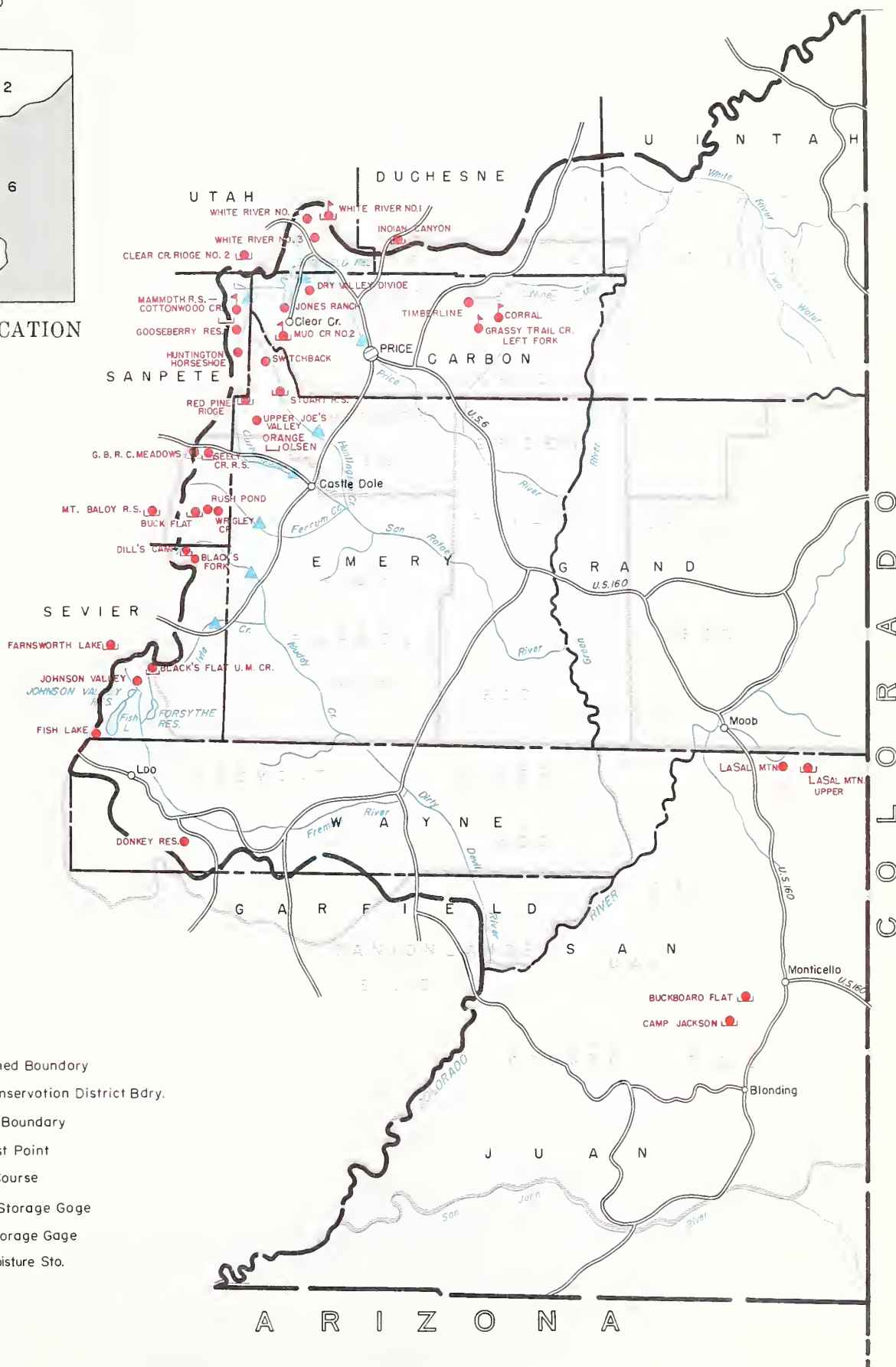


# CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES

10 0 10 20 30 40  
SCALE IN MILES



WATERSHED LOCATION



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- [ S.C.S. Storage Gage
- ] W.B. Storage Gage
- ^ Soil Moisture Sto.

# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PRICE RIVER						
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
10K1P	U	Indian Canyon x	2	11S	10E	9,100
11K7	U	Jones Ranch	32	12S	7E	7,600
11K3MP	U	Mammoth R.S. - Cottonwood Creek x	13 & 23	13S	5E	8,800
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MP	U	White River #1	11	10S	8E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
SAN RAFAEL RIVER						
11K31P	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28P	U	Red Pine Ridge	5	16S	6E	9,400
11K38	U	Rush Pond	24	19S	4E	9,800
11K9	U	Seeley Creek R.S.	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K26	U	Switchback	14	14S	6E	8,600
11K29	U	Upper Joe's Valley	21	16S	6E	8,800
11K32	U	Wrigley Creek	27	19S	5E	9,000
MUDDY RIVER						
11K14	U	Black's Fork	34	20S	4E	9,200
11K15	U	Dill's Camp	27	20S	4E	9,200
FREMONT RIVER						
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
SOUTHEASTERN UTAH DRAINAGES						
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## CARBON, EMERY, WAYNE, GRAND, &amp; SAN JUAN COUNTIES

PRICE RIVER

Corral	10K5	8200	Not measured			8.4	2.6b
Dry Valley Divide	11K8	7800	4/28	5	2.1	12.6	3.9b
Gooseberry Reservoir	11K4	8700	5/1	42	21.6	25.5	16.1b
Grassey Trail Creek	10K3	7970	Not measured			10.8	16.1b
Indian Canyon x	10K1	9100	4/29	28	14.4	17.6	7.8*
Mammoth R.S. CtWd.Cr. x	11K3	8800	5/1	44	22.3	26.2	16.1b
Mud Creek # 2	11K33	8300	4/28	20	9.4	12.9	7.4b
Timberline	10K6	9100	Not measured			20.1	14.8b
White River # 1	10K2	8600	4/29	20	9.8	16.6	7.4*
White River # 2	11K24	7600	4/29	0	0.0	8.0	1.0b
White River # 3	11K25	7400	4/29	0	0.0	0.0	0.2b

SAN RAFAEL RIVER

Buck Flat	11K31	9400	4/27	44	20.2	19.6	15.6b
Gooseberry Reservoir x	11K4	8700	5/1	42	21.6	25.5	16.1b
Red Pine Ridge	11K28	9400	4/25	36	15.8	22.0	14.1b
Rush Pond	11K38	9800	4/27	39	16.7	14.4	11.1b
Seely Creek R.S.	11K9	10000	4/30	37	17.6	25.6	15.6b
Stuart R.S.	11K27	7950	4/25	6	1.9	6.3	1.0b
Switchback	11K26	8600	4/25	37	17.4	19.2	11.9b
Upper Joe's Valley	11K29	8800	4/26	17	6.3	10.3	4.9b
Wrigley Creek	11K32	9000	4/27	24	10.6	11.8	6.5b

FREMONT RIVER

Black's Flat-U.M. Creek	11L4	9250	4/24	25	10.8	14.6	7.7b
Farnsworth Lake x	11L1	9900	4/29	53	23.8	27.4	18.8b
Fish Lake	11L3	8700	4/24	15	6.8	13.0	2.0b
Johnson Valley	11L6	8850	4/24	13	5.3	11.0	2.2b

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	4/21	24	11.1	14.0	5.2b
Camp Jackson	9M2	8600	4/22	25	12.4	14.8	2.9b
LaSal Mountain	9L1	8800	4/23	0	0.0	13.5	1.5b
LaSal Mountain (upper)	9L2	9600	4/23	24	12.0	23.8	10.4b

# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE

## PRICE RIVER

Clear Creek Ridge #2	8000	4/29	1.24	2.97b	23.24	17.29*	134
Gooseberry Reservoir	8700	5/1	2.36	3.36*	28.42	20.63*	138
Indian Canyon	9100	4/29	1.44	2.35b	20.01	15.41b	130
Mammoth R.S. #2	8600	5/1	2.47	3.52b	30.26	21.75*	139
Mud Creek	8300	4/28	0.95	2.52*	22.00	16.82*	131
White River #1	8600	4/29	0.95	2.61b	13.51	15.59*	87

## SAN RAFAEL RIVER

Buck Flat	9400	4/27	1.25	3.22b	24.45	19.37*	126
Gooseberry Reservoir x	8700	5/1	2.36	3.36*	28.42	20.63*	138
Orange Olsen	7300	4/25	0.20	- -	10.35	- -	- -
Red Pine Ridge	9400	4/25	1.10	3.64b	25.60	22.62*	113
Stuart R. S.	7950	4/25	1.15	2.15b	16.35	13.36*	122

## FREMONT RIVER

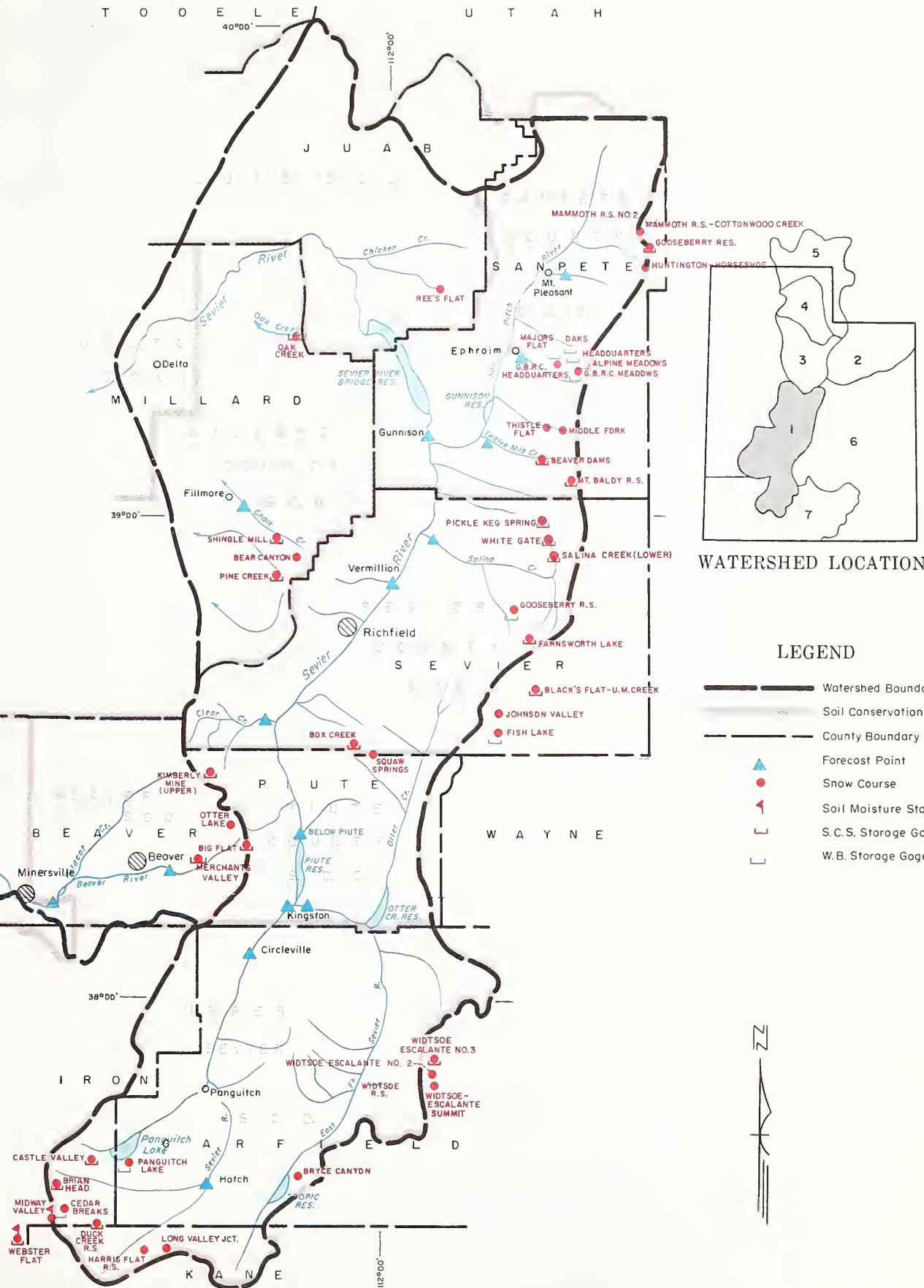
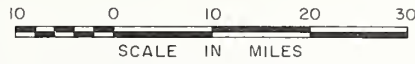
Black's Flat-U.M. Creek	9250	4/24	1.20	2.54b	17.08	14.34*	119
Farnsworth Lake x	9900	4/29	3.81	4.21*	26.10	22.36b	117
Fish Lake	8700	4/24	1.36*	1.93b	14.05*	10.04b	140

## SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	4/21	0.80	2.94b	22.19	19.86b	112
Camp Jackson	8600	4/22	0.60	2.28*	25.63	16.59*	154
LaSal Mountain(upper)	9600	4/23	0.90	2.30b	18.29	16.86*	108



# SEVIER RIVER BASIN including BEAVER RIVER



WATERSHED LOCATION

## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ⬇ Soil Moisture Station
- ⌈ S.C.S. Storage Gage
- ⌋ W.B. Storage Gage

# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER SEVIER RIVER (South of Richfield, Utah)						
12L7P	U	Big Flat x	18	29S	4W	10,290
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	22	36S	8W	9,700
12M1P	U	Cedar Breaks	2	37S	9W	10,390
12M4P	U	Duck Creek R.S.	11	38S	8W	8,560
11L3	U	Fish Lake x	35	26S	1E	8,700
12M5	U	Harris Flat	24	38S	7W	7,700
12L6P	U	Kimberly Mine	11	27S	5W	9,100
12M6	U	Long Valley Junction x	22	38S	6W	7,500
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12L5	U	Squaw Springs	3	27S	2W	9,300
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600

## LOWER SEVIER RIVER (Including San Pitch River)

12L3	U	Bear Canyon	17	22S	3W	7,200
11K13P	U	Beaver Dams	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2	U	Gooseberry R.S.	32	23S	2E	8,400
11K4P	U	Gooseberry Reservoir x	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe x	12	14S	5E	9,800
11K3MP	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
12L1P	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	24	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	24	18S	4E	8,500

## BEAVER RIVER

12L7P	U	Big Flat	18	29S	4W	10,290
12L9P	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## SEVIER RIVER BASIN including BEAVER RIVER

### UPPER SEVIER RIVER - South of Richfield , Utah

Big Flat x	12L7	10290	4/25	68	27.3	21.3	17.8
Box Creek	12L4	9800	4/25	40	17.1	17.2	10.2b
Castle Valley	12M13	9700	4/30	26	13.0	9.1	6.7b
Cedar Breaks	12M1	10390	4/28	77	39.1	25.6	18.2
Duck Creek R.S.	12M4	8560	4/29	40	21.6	11.0	4.6
Fish Lake	11L3	8700	4/24	15	6.8	13.0	2.0b
Harris Flat R.S.	12M5	7700	4/29	13	6.2	0.0	0.7
Kimberly Mine	12L6	8900	4/29	43	19.8	22.0	12.8b
Midway Valley	12M2	9800	4/28	78	39.5	25.7	19.7b
Panguitch Lake	12M7	8200	4/30	0	0.0	0.0	0.1
Squaw Springs	12L5	9300	4/25	19	7.6	10.7	2.6b
Widtsoe- Escalante	11M1	9500	4/28	4	1.8	7.0	2.6
Widtsoe-Escalante # 2	11M2	9500	4/28	21	8.6	10.1	5.3
Widtsoe- Escalante # 3	11M3	9500	4/28	26	11.7	13.7	7.4b

### LOWER SEVIER RIVER - including San Pitch

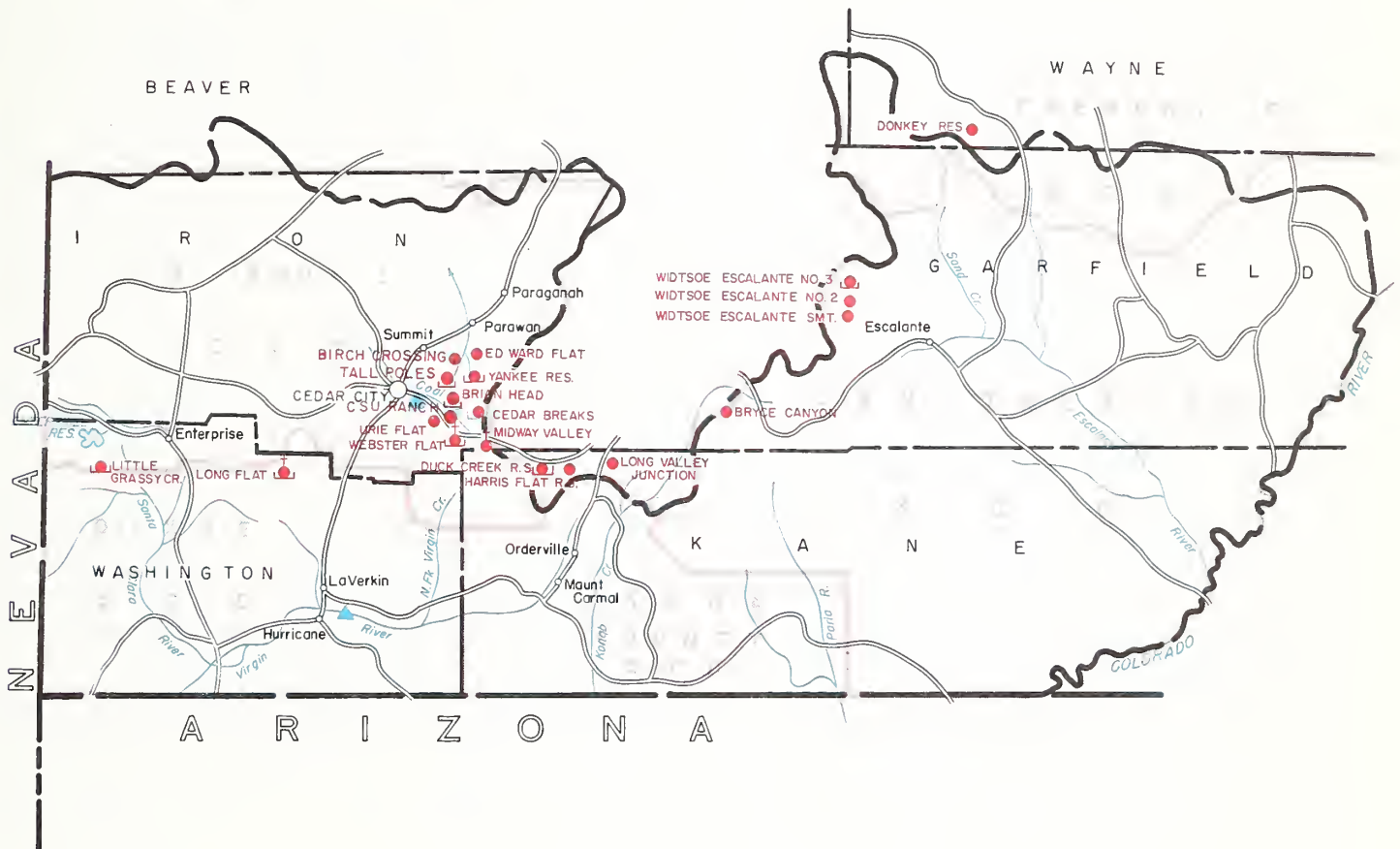
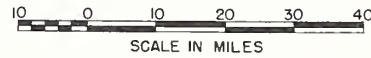
Beaver Dams	11K13	8000	4/25	20	8.1	14.8	5.8
Farnsworth Lake	11L1	9900	4/29	53	23.8	27.4	18.8
G.B.R.C. Headquarters	11K11	8700	4/30	36	16.5	23.7	13.5
G.B.R.C. Meadows	11K10	10000	4/30	63	30.2	33.3	26.3
Gooseberry R.S.	11L2	8400	4/29	21	9.8	16.8	6.9
Gooseberry Reservoir x	11K4	8700	5/1	42	21.6	25.5	16.1b
Mammoth R.S.-Ctnwd. Crk.	11K3	8800	5/1	44	22.3	26.2	16.1b
Mt. Baldy R.S.	11K12	9500	4/25	76	30.6	30.5	22.9
Oak Creek	12K2	7760	4/29	28	12.2	15.5	- -
Pickle Keg Springs	11K39	9600	Data delayed			22.0	- -
Pine Creek	12L1	3700	4/28	39	18.2	23.5	11.0b
Salina Creek (lower)	11L8	7250	Data delayed			0.0	- -
Shingle Mill	12L11	6200	4/28	10	4.2	7.9	0.8b
White Gate	11L7	9350	Data delayed			14.5	- -
Big Flat	12L7	10290	4/25	68	27.3	21.3	17.8
Merchant Valley	12L9	8200	4/25	23	11.6	12.9	2.8
Otter Lake	12L8	9300	4/25	52	23.6	18.9	12.2

# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE
Beaver Dams	8000	4/25	2.95	2.72b	20.50	17.04*	120
Big Flat x	10290	4/25	2.37	3.30*	28.27	18.82*	150
Box Creek	9800	4/25	2.30	2.86b	22.20	16.06b	138
Castle Valley	9700	4/30	1.60	3.60b	24.45	18.09b	135
Cedar Breaks	10390	4/28	1.85	3.28	30.10	18.91*	159
Duck Creek R. S.	8560	4/29	1.10	3.10	32.10	19.75*	162
Farnsworth Lake	9900	4/29	3.81	4.21*	26.10	22.36b	117
Fish Lake	8700	4/24	1.36*	1.93b	14.05*	10.04b	140
G.B.R.C. Headquarters	8700	4/30	2.55	3.78	22.60	21.35	106
G.B.R.C. Meadows	10000	4/30	3.50	4.06	28.25	25.09	112
G.B.R.C. Oaks	7655	4/30	2.01	2.58	16.22	14.63	111
Gooseberry R. S.	7800	4/29	3.04	2.50*	18.62	15.09*	123
Gooseberry Reservoir x	8700	5/1	2.36	3.36*	28.42	20.63*	138
Kimberly Mine	8900	4/29	3.35	4.21*	29.20	21.33*	137
Mammoth R.S. #2 x	8600	5/1	2.47	3.52b	30.26	21.75*	139
Mt. Baldy	9500	4/25	3.50	3.49b	27.05	19.34*	140
Panguitch Lake	8200	4/30	0.76	1.32b	11.96	8.12b	147
Pickle Keg Springs	9600	Data delayed		- -	- -	- -	- -
Pine Creek	8700	4/28	6.75	4.80b	33.47	26.54b	126
Salina Creek(lower)	7250	Data delayed		- -	- -	- -	- -
Shingle Mill	6200	4/28	4.27	2.79b	21.48	16.54*	130
Webster Flat x	9200	4/28	1.40	4.05	33.00	22.00*	150
White Gate	9350	Data delayed		- -	- -	- -	- -
Widtsoe-Escalante #3	9500	4/28	0.40	2.75*	16.50	15.19b	109
Widtsoe R.S.	7600	4/28	0.20	0.82	6.50	5.37	121
Oak Creek	7760	4/29	2.63	- -	24.63	- -	- -
Beaver Canyon P.H.	7275	4/30	1.61	2.10	14.24	- -	- -
Big Flat	10290	4/25	2.37	3.30*	28.27	18.82*	150
Merchant's Valley	8650	4/25	2.42	- -	22.86	- -	- -

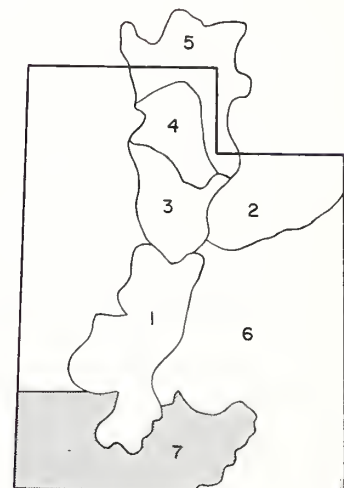


# EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Snow Depth Gage
- S.C.S. Storage Gage
- W.B. Storage Gage



WATERSHED LOCATION

# INDEX

NO	STATE	NAME	SEC	TWP	RGE	ELEV
PARIA RIVER						
12M8	U	Bryce Canyon x	36	36S	4W	8,000
PAROWAN CREEK						
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	8W	8,300
12M15	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
COAL CREEK						
12M1P	U	Cedar Breaks x	2	37S	9W	10,390
12M17	U	CSU Ranch	18	37S	9W	8,200
12M2M	U	Midway Valley x	26	37S	9W	9,800
12M10	U	Urie Flat	11	37S	10W	8,450
12M3MP	U	Webster Flat x	20	37S	9W	9,200
ENTERPRISE TO NEW HARMONY DRAINAGES						
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MP	U	Long Flat	2	38S	14W	8,000
ESCALANTE RIVER						
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
VIRGIN RIVER						
12M1P	U	Cedar Breaks x	2	37S	9W	10,390
12M4P	U	Duck Creek R.S. x	11	38S	8W	8,560
12M5	U	Harris Flat x	24	38S	7W	7,700
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M2M	U	Midway Valley x	26	37S	9W	9,800
12M3MP	U	Webster Flat	20	37S	9W	9,200

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
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x	ADJACENT DRAINAGE

# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## EAST GARFIELD , KANE , WASHINGTON & IRON

### ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	4/28	4	1.8	7.0	2.6
Widtsoe-Escalante # 2	11M2	9500	4/28	21	8.6	10.1	5.3
Widtsoe-Escalante # 3	11M3	9500	4/28	26	11.7	13.7	7.4b

### VIRGIN RIVER & COAL CREEK

CSU Ranch	12M17	8200	4/28	13	6.2	0.0	- -
Cedar Breaks	12M1	10390	4/28	77	39.1	25.6	18.2
Duck Creek R.S.	12M4	8560	4/29	40	21.6	11.0	4.6
Harris Flat X	12M5	7000	4/29	13	6.2	0.0	0.7
Midway Valley X	12M2	9800	4/28	78	39.5	25.7	19.7b
Urie Flat	12M10	8450	4/28	16	6.7	0.0	1.3b
Webster Flat	12M3	9200	4/28	55	29.5	16.4	8.9

### PAROWAN CREEK

Birch Crossing	12M16	8100	4/29	0	0.0	1.6	- -
Brian Head	12M14	10000	4/29	60	28.4	27.4	- -
Ed Ward Flat	12M12	8300	4/29	3	1.0	4.9	1.7b
Tall Poles	12M15	8800	4/29	34	16.8	18.2	- -
Yankee Reservoir	12M11	8700	4/29	20	8.0	12.2	5.6b

### ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek	13M4	6100	4/30	0	0.0	0.0	0.0b
Long Flat	13M2	8000	4/30	0	0.0	0.0	0.4b

# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE

## ESCALANTE RIVER

Widtsoe-Escalante #3	9500	4/28	0.40	2.75*	16.50	15.19b	109
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## VIRGIN RIVER

Duck Creek R. S.	8560	4/29	1.10	3.10	32.10	19.75*	162
Webster Flat	9200	4/28	1.40	4.05	33.00	22.00*	150

## COAL CREEK

Cedar Breaks	10390	4/28	1.85	3.28	30.10	18.91*	159
Webster Flat	9200	4/28	1.40	4.05	33.00	22.00*	150

## PAROWAN CREEK

Tall Poles	8800	4/29	3.85	- -	22.44	- -	- -
Yankee Reservoir	8700	4/29	3.30	2.66b	16.84	13.99b	120

## ENTERPRISE TO NEW HARMONY DRAINAGE

Little Grassy Creek	6100	4/30	1.00	2.06b	15.55	13.74*	113
Long Flat	8000	4/30	1.35	2.29b	17.75	13.85b	128



## FOOTNOTES

- (1) Data supplied by U. S. Forest Service
- (2) Data supplied by U. S. Weather Bureau
- (3) Data supplied by U. S. Geological Survey
  
- (a) 1953-67 - 15-year average period
- (b) Average of all past record - less than 15 years
- (c) Taken at Compromise point
  
- (A) Aerial observation - water content estimated
- (x) Adjacent drainage
- \* Partly estimated

The following footnotes apply only to Streamflow Forecast pages.

- (1) Includes UP&L Co. tailrace and Logan, Hyde Park & Smithfield Canal.
- (2) Observed flow plus change in storage in East Canyon Reservoir.
- (3) Inflow record as computed by U. S. Bureau of Reclamation.
- (4) Observed flow Weber River near Wanship, Utah, plus change in storage in Rockport Reservoir, plus diversion by Weber-Provo Canal.
- (5) Includes diversion by Weber-Provo Canal and change in storage in Rockport Reservoir.
- (6) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
- (7) Observed flow plus change in storage in Deer Creek Reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal.
- (8) Change in storage plus diversion thru Strawberry tunnel.
- (9) Observed flow plus change in storage in Otter Creek Reservoir.
- (10) Gage is below diversions near Salina.
- (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
- (12) Observed flow at Rockyford Dam, corrected for change in storage in Minersville Reservoir.
- (13) Observed flow plus diversion through Duchesne Tunnel.
- (14) Observed flow plus change in storage in Moon Lake Reservoir.
- (15) Observed flow plus change in storage reservoir.
  
- (a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U. S. Geological Survey.



# Agencies Cooperating in Utah Snow Surveys

## U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
Weather Bureau  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State University  
Utah Fish and Game Department  
Utah State Department of Natural  
Resources, Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
FEDERAL BLDG. -- ROOM 4012  
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